AMENDMENTS TO THE CLAIMS

1. (Original) A cell handling device including a vessel able to hold, in a liquid-tight state, a handling medium that is fluid and contains cells, and being able to transfer the handling medium between an interior and an exterior of the vessel via a mouth being opened in the vessel to end the liquid-tight state, the mouth connecting the interior and the exterior, wherein

at least part of the vessel that contacts the handling medium when the vessel holds the handling medium is a gas permeable region for passing a quantity of gas necessary for survival of the cells.

2. (Original) The cell handling device of Claim 1, wherein

a whole of the vessel that contacts the handling medium when the vessel holds the handling medium is the gas permeable region.

3. (Currently Amended) The cell handling device of Claim 1 ~~or 2~~, wherein

in terms of an overall oxygen permeability quantity, a gas permeability of the gas permeable region is one of 1 mL/24 hr atm or more and 10 mL/24 hr atm or more.

4. (Currently Amended) The cell handling device of ~~any of Claims 1, 2 and 3~~ Claim 1, wherein

the gas permeable region is composed of one of a gas permeable resin and a porous film.

5. (Currently Amended) A tissue regeneration method in which the cell handling device of ~~any of Claims 1 to 4~~ Claim 1 is used, the tissue regeneration method comprising:

a first step of holding, the handling medium in the vessel; and

a second step of transplanting the handling medium into a living body.

6. (Original) The cell handling device of Claim 1, further including

a volume varying means for varying a volume of the vessel wherein,

as the volume varying means varies the volume, the handling medium is discharged, or flows into, the vessel.

7. (Original) The cell handling device of Claim 1, wherein

the vessel is at least partially composed of a main body that combines with a plunger to form a syringe type device,

the plunger is slidably insertable into the main body, the handling medium being transplanted into a living body by a pushing force being applied to the plunger, and

at least part of the main body and/or the plunger is the gas permeable region.

8. (Original) The cell handling device of Claim 7, wherein

the main body is composed of a flexible bag-type vessel that holds the handling medium and deforms as the plunger slides, and a cylindrical exterior part that holds the bag-type vessel, and

at least part of the bag-type vessel is the gas permeable region.

9. (Original) The cell handling device of Claim 8, wherein

the bag-type vessel is detachable from the cylindrical exterior part, and handling of the handling medium is possible when the bag-type vessel is in a detached state.

10. (Currently Amended) The cell handling device of Claim 8 ~~or 9~~, wherein

the bag-type vessel includes a discharge part for discharging the handling medium and a push part that causes a pushing force to act on the bag-type vessel.

11. (Original) The cell handling device of Claim 10, wherein

except for the discharge part, a whole of the bag-type vessel is composed of a flexible material that is contractible under the pushing force.

12. (Original) The cell handling device of Claim 11, wherein

the bag-type vessel includes a concertina section, and

the concertina section is shortened via the push part effecting the pushing force.

13. (Original) The cell handling device of Claim 11, wherein

the bag-type vessel is a tube.

14. (Original) The cell handling device of Claim 8, wherein

a gas permeable region is provided in at least one other part besides the bag-type vessel so as gas exchange between a handling device exterior and the bag-type vessel is possible when the bag type vessel is being stored in the cylindrical exterior part.

15. (Original) The cell handling device of Claim 8, further including a rupturing means for rupturing the bag-type vessel when the bag-type vessel is being stored in the cylindrical exterior part.

16. (Original) The cell handling device of Claim 8, wherein

a discharge part that discharges the handling medium in a plunger forward-sliding direction is provided in the main body, and

the discharge part is formed such that a needle, an intravascular catheter or other conduit can be connected thereto.

17. (Currently Amended) The cell handling device of ~~any of Claims 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, and 16~~ Claim 6, wherein,

in terms of an overall oxygen permeability quantity, a gas permeability of the gas permeable region is one of 1 mL/24 hr atm or more and 10 mL/24 hr atm or more.

18. (Currently Amended) The cell handling device of ~~any of Claims 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 and 17~~ Claim 6, wherein,

the gas permeable region is composed of one of a gas permeable resin and a porous film.

19. (Currently Amended) A tissue regeneration method in which the cell handling device of ~~any of Claims 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18~~ Claim 6

is used, the tissue regeneration method comprising:

a first step of holding the handling medium, in the vessel; and

a second step of transplanting the handling medium into a living body.

20. (Original) The cell handling device of Claim 7, wherein

portions of the gas permeable region are provided at a plurality of separate locations in the main body and each portion extends in a sliding direction of the plunger.

21. (Original) The cell handling device of Claim 20, wherein

each portion of the gas permeable region is composed of a material whose gas permeability is higher than a gas permeability of a principal material of the main body.

22. (Original) The cell handling device of Claim 7, wherein

a portion of gas permeable region is located in the main body in a sliding direction of the plunger.

23. (Original) The cell handling device of Claim 22, wherein

a portion of the gas permeable region is formed at a tip of the plunger.

24. (Original) The cell handling device of Claim 22, wherein

in the main body, a portion of the gas permeable region is located in proximity to a discharge part that is for discharging the handling medium from the main body.

25. (Original) The cell handling device of Claim 24, wherein

the discharge part is formed at or in proximity to a surface that makes contact with the plunger when the plunger is in a fully pressed state, and

a portion of the permeable region is formed in the surface.

26. (Original) The cell handling device of Claim 24, wherein

a portion of the gas permeable region is provided in a closing member that covers the discharge part.

27. (Currently Amended) The cell handling device of ~~any of Claims 20, 21, 22, 23, 24, 25, and 26~~ Claim 20, wherein

in terms of an overall oxygen permeability quantity, a gas permeability of the gas permeable region is one of 1 mL/24 hr atm or more and 10 mL/24 hr atm or more.

28. (Currently Amended) The cell handling device of ~~any of Claims 20, 21, 22, 23, 24, 25, 26, and 27~~ Claim 20, wherein

the gas permeable region is composed of one of a gas permeable resin and a porous film.

29. (Original) A tissue regeneration composition including cells, a fluidity medium, and granular cell scaffold microcarriers which are scaffolds for the cells, wherein

the cell scaffold microcarriers are composed of a bioabsorbable material and are cell adhesive.

30. (Original) The tissue regeneration composition of Claim 29, wherein

a diameter of the scaffold microcarriers is between 10 μm and 2000 μm inclusive.

31. (Currently Amended) The tissue regeneration composition of Claim 29 ~~or 30~~, wherein

the scaffold microcarriers are porous.

32. (Currently Amended) The tissue regeneration composition of ~~any of Claims 29, 30 and 31~~ Claim 29, wherein

the scaffold microcarriers have undergone a treatment to improve a cell adhesiveness thereof.

33. (Currently Amended) The tissue regeneration composition of ~~any of Claims~~

~~29, 30 31, and 32~~ Claim 29, wherein

the cells are cells selected from a group of adhesive cells which require scaffolds in order to proliferate.

34. (Original) A tissue regeneration composition-containing cell handling device including a vessel able to hold, in a liquid-tight state, a tissue regeneration composition that is fluid and contains cells, and being able to transfer the tissue regeneration composition between an interior and an exterior of the vessel via a mouth being opened in the vessel to end the liquid-tight state, the mouth connecting the interior and the exterior, wherein

the tissue regeneration composition includes i) cells, ii) a fluidity medium, iii) granular cell scaffold microcarriers that are composed of a bioabsorbable material and float in the fluidity medium, and

at least part of the vessel that contacts the tissue regeneration composition when the vessel holds the tissue regeneration composition is a gas permeable region for passing a quantity of gas necessary for survival of the cells.

35. (Original) The tissue regeneration composition-containing cell handling device of Claim 34, wherein

a whole of the vessel that contacts the tissue regeneration composition when the vessel holds the tissue regeneration composition is the gas permeable region.

36. (Original) The tissue regeneration composition-containing cell handling device of Claim 34, further including a volume varying means for varying a volume of the vessel wherein,

as the volume varying means varies the volume, the tissue regeneration composition is discharged, or flows into, the vessel.

37. (Original) The tissue regeneration composition-containing cell handling device of Claim 34, wherein

the vessel is at least partially composed of a main body that combines with a

plunger to form a syringe type device,

the plunger is slidably insertable into the main body, the tissue regeneration composition being transplanted into a living body by a pushing force being applied to the plunger, and

at least part of the main body and/or the plunger is the gas permeable region.

38. (Currently Amended) The tissue regeneration composition-containing cell handling device of Claim 34 ~~or Claim 37~~, wherein

the cell scaffold microcarriers are more cell adhesive than both the gas permeable region and the vessel that contacts with the tissue regeneration composition.

39. (Original) The tissue regeneration composition-containing cell handling device of Claim 38, wherein

a discharge part that discharges the tissue regeneration composition in a plunger forward-sliding direction is provided in the main body, and

the discharge part is formed such that a needle, an intravascular catheter or other conduit can be connected thereto.

40. (Original) The tissue regeneration composition-containing cell handling device of Claim 38, wherein

in the main body and/or the plunger, at least parts that contact the tissue regeneration composition are formed from a material that is cell non-adhesive.

41. (Currently Amended) The tissue regeneration composition-containing cell handling device of ~~any of Claims 34, 35, 36, 37, 38, 39, and 40~~ Claim 34, wherein

in terms of an overall oxygen permeability quantity, a gas permeability of the gas permeable region is one of 1 mL/24 hr atm or more and 10 mL/24 hr atm or more.

42. (Currently Amended) The tissue regeneration composition-containing cell handling device of ~~any of Claims 34, 35, 36, 37, 38, 39, 40, and 41~~ Claim 34, wherein

the gas permeable region is composed of one of a gas permeable resin and a

porous film.

43. (Currently Amended) The tissue regeneration composition-containing cell handling device of ~~any of Claims 40, 41, and 42~~ Claim 40, wherein

the cell non-adhesive material is one of a hydrophilic material, a hydrophobic material and a material having a negative charge.

44. (Currently Amended) A tissue regeneration method in which the tissue regeneration composition-containing cell handling device of ~~any of Claims 34, 35, 36, 37, 38, 39, 40, 41, 42, and 43~~ Claim 34 is used, the tissue regeneration method comprising:

a first step of holding the tissue regeneration composition in the vessel; and

a second step of transplanting the tissue regeneration composition into a living body.